



DURACAST BACKER MIX

Backer Mix for Duracast GFRC System™

PRODUCT DESCRIPTION

Deco-Crete (DC) DuraCast Backer Mix is a cementitious blend of materials that, when mixed with DuraCast Modifier, forms a highly durable dense structural layer. It is designed to be cast upside down & used in conjunction with DuraCast Modifier & DuraCast Face Mix to result in an extremely lightweight, high strength, & long-lasting concrete surface. DC DuraCast Backer has a broad range of mix ratios & gives the installer the ability to hand pack or apply using a spray gun to handle both horizontal & vertical applications. The DuraCast GFRC System™ includes 30 integral color options.

TECHNICAL INFO

- + Working Time _____ 15 min.
- + Coverage _____ 7 sq. ft. @ ¾" thick
- + Edge Coverage _____ 15 lin. ft. @ 2"x 2"
- + Packaging _____ 40 lb. bag
- + Clean-Up _____ Water

RECOMMENDED APPLICATIONS

- + Concrete Countertops
- + Tables
- + Furniture
- + Wall Panels
- + Fireplace Surrounds



QUICK FACTS

- + Demold in as little as 24 hrs.
- + Stronger & denser than traditional concrete at half the weight
- + Reduced Cracking & Spider Cracking
- + 30 Integral Colors Available with Mini Yard Pack System™
- + Unlimited Design Possibilities
- + Easy to Manipulate
- + MADE IN THE USA



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INSTRUCTIONS FOR USE

MIXING

Add 3¾ qt. of Duracast Modifier to mixing container. Add a 40lb. bag of Duracast Backer Mix and mix for 2 minutes, scrape side walls, & then mix for an additional minute. Wait 5 minutes for material to false set then remix for an additional minute. If desired consistency is not achieved, add up to a ½ qt. of additional Duracast Modifier to reach desired consistency for the application.

APPLICATION

GFRC Backer coat should be applied in two lifts, each approximately 1/4" thick, with a layer of AR scrim in between. The first lift is applied directly to the face mix, followed by the final lift of backer. Good bonding between layers is a crucial part to the GFRC process & **TIMING IS CRUCIAL!** Each lift must be applied before the previous layer has completely dried out.

HAND-PACKED TECHNIQUE: The consistency of the backer mix should be stiff enough to manipulate into a shape, similar to a pancake that is approximately 1/4" thick. Carefully place pancakes onto entire surface of face mix making sure not to push through. Immediately follow backer coat application with a compaction roller like a *Bubble Buster*. Lay in a sheet of *AR Scrim* precut to fit mold. Use a gloved hand or trowel to slightly embed *AR Scrim* into backer coat. Using a similar consistency to the first backer coat continue to thicken edges to desired width. For second coat of horizontal application make the backer mix fluid enough to pour over previous coat (no pancakes necessary). This lift should be approximately 1/4" thick. Following final lift, run a compaction roller over entire surface. If desired, a steel trowel may be used to smooth out final backer coat.

SPRAY GUN TECHNIQUE: The consistency for spray gun should be more fluid than the consistency used for hand packed technique. Utilizing a sprayer such as the *3 Jet Downward Sprayer from ToolCrete*, load material into gun & apply to entire surface starting with edges. Smooth out stippling using a concrete trowel or drywall knife followed by a compaction roller like a *Bubble Buster*. Lay in sheet of *AR Scrim* precut to fit mold. Use a gloved hand or trowel to slightly embed *AR Scrim* into backer coat. Starting with edges apply second backer lift in a similar manner to first lift. Following final lift, run a compaction roller over entire surface. If desired, a steel trowel may be used to smooth out final backer coat.

PRO TIPS

- + Due to edge thickness cut the *AR Scrim* 2–3 in. short of each edge of mold to ensure scrim lays flat.
- + Excess face mix may be used to smooth out other visible surfaces to create a more desirable finish.
- + Foam board may be used as a form to shape edges.

It is always recommended to test the product in a small, inconspicuous area for desired results prior to application. Coverage rates may vary for all coatings & substrates depending on porosity, density, texture, etc.

STORAGE

- + Store in a dry, covered area. Avoid moisture and direct sun.



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